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DATE MAILED: 04/05/2006

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/516,302	12/09/2004	Hitoshi Yoshimori	040645	5589
23850	7590 04/05/2006		EXAMINER	
	IG, KRATZ, QUINTO	MAI, ANH T		
1725 K STREET, NW SUITE 1000 WASHINGTON, DC 20006			ART UNIT	PAPER NUMBER
			2832	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
Office Action Comments	10/516,302	YOSHIMORI, HITOSHI				
Office Action Summary	Examiner	Art Unit				
	Anh T. Mai	2832				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim iill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	l. ely filed the mailing date of this communication. 0 (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
	action is non-final.					
3) Since this application is in condition for allowan	ice except for formal matters, pro	secution as to the merits is				
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-8</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	vn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-8</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examine		·				
·- · · · ·		Evaminer				
	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correcti						
11) The oath or declaration is objected to by the Ex	•					
The dain of decidration is objected to by the Ex-	armiror. Note the attached office	7.00.011 01 101111 1 1 0 1 0 2.				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:		-(d) or (f).				
1. Certified copies of the priority documents						
2. Certified copies of the priority documents	• •					
3. Copies of the certified copies of the prior	-	d in this National Stage				
application from the International Bureau	• • • • • • • • • • • • • • • • • • • •					
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 9/04.	5) Notice of Informal Pa	atent Application (PTO-152)				
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DETAILED ACTION

Claim Rejections - 35 USC § 102

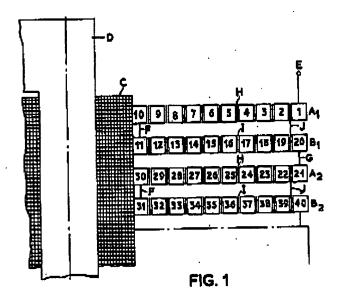
1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Bedil [3160838]. Bedil discloses an air-core coil comprising:
 - unit coil portions A1, B1, A2, B2 each having at least one conductor wound into a spiral form;
 - the unit coil portions being arranged repeatedly axially of the coil;
 - each of the unit coil portions comprising a plurality of unit turn portions 1, 2, 3... which are different from each other in inner peripheral length;
 - the unit turn portions of small inner peripheral being at least partly forced inwardly of the unit turn portions of great inner peripheral length [coil turn 2 is smaller than coil turn 1 in peripheral length];
 - the plurality of unit turn portions providing each of the unit coil portions are
 sequentially wound from the outer peripheral side to the inner peripheral side [from 1 to 10];
 - one unit turn portion of the inner most periphery being connected to another unit turn
 on an innermost periphery F of the adjacent unit coil;

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- whereby each of the unit coil portions is made at least partly multi-layered.



ketering to FIG. 1 of the drawings, the night-voltage winding of the transformer comprises a number of coils, the first coil consisting of a pair of pancake sections A_1 , B_1 , the second coil having a pair of sections A_2 , B_2 , and so on. Each coil is wound as an insulated strip conductor surrounding the low-voltage winding C and its surrounding insulation, the low-voltage winding in turn surrounding a limb of the transformer core D.

Successive turns of the inward-spiralling conductor of section A_1 are indicated at 1, 2, 3 . . . 19, the outermost turn 1 being directly connected to the high-potential terminal B of the transformer. The second section B_1 is similar to section A_1 , but the conductor spirals outwards, successive turns being indicated at 11, 12, 13 . . . 20. The innermost turn 10 of section A_1 is connected to the innermost turn 11 of section B_1 by connection F, and the outermost turn 20 of section B_1 is connected to the outermost turn 21 of the adjacent section A_2 by connection G. It will be understood that one or both of connections F and/or G may consist of the uninterrupted current-carrying conductor itself.

With respect to claims 3-4, Bedil discloses the air-core coil fitted around a core D [figure 1, col 1, lines 49-69].

With respect to claims 6-8, the claim is method counterpart of structure claims 1-5, the methods steps therefore inherent for manufacturing a coil comprising windings being wound in the multilayer fashion.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892 Form.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh T. Mai whose telephone number is 571-272-1995. The examiner can normally be reached on 5/4/9 Schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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ANH MAI BRIMARY EXAMINER